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Section E—POWER PLANT OPERATION DATA

Complete the following when available.

1. Sequence of failure(s) by nacelle position (3, 1, etc.)	2. Time interval between failures: (For multiple failures)	3. Altitude failure(s) occurred	4. Outside air temp(s)
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DATA ON FAILED ENGINES

Engine factors		Prior to failure of first engine	Prior to failure of second engine	Prior to failure of third engine	REMARKS
RECIPROCATING	5. R. P. M.				
	6. Manifold pressure				
	7. Torque readings				
	8. Oil pressure				
	9. Oil temperature				
	10. Oil quantity				
	11. Cylinder head temperature				
	12. Fuel mixture setting				
	13. Fuel pressure				
	14. Fuel flow				
	15. Carburetor preheat setting				
	16. Carburetor air temperature				
	17. Other				
TURBO-JET	18. Percent R. P. M.				
	19. Exhaust gas temperature				
	20. Emergency fuel control setting				
	21. Afterburner settings				
	22. Afterburner eyelid position				
	23. Anti-ice status				
	24. Inlet screen position				
	25. Other				

Section F—AIRCRAFT MAINTENANCE OFFICER'S ANALYSIS

Describe difficulties involved and relationship of the various components above to the accident. Include any additional information or opinion of possible value to future technical analysis of this report. Continuation on plain paper sheets should be attached when necessary.

In the same investigation of the engine and aircraft structure by Lt Colonel George Pittman, 3/1/51, did not reveal evidence of material failure in either the engine, flight controls, or airframe structure. Sudden stoppage of all four engines was evidenced by the fact that each propeller had axially and engine propeller shaft separated from the engine(s) at the nose section. All major structural and flight control components were found in the immediate area of the crash and appeared functional. The landing flaps were noted in an approximate 10 degree configuration. The landing gear was noted in the "up" position. After impact a ground fire resulted, consuming the fuselage and the majority of the left wing of the aircraft.

Herbert A. Robertson
AIRCRAFT MAINTENANCE OFFICER (signature)